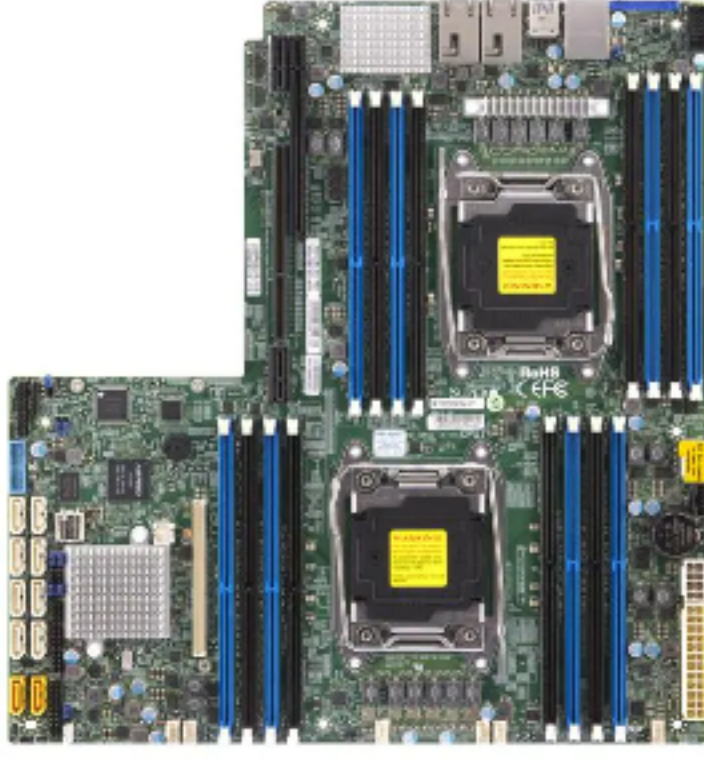


X10DRW-iT

🖨️ Print



16 DIMMs
2400MHz DDR4
WIO
Dual 10GbE

Key Features

- 1. Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v4†/ v3 family; UPI up to 9.6GT/s
- 2. Intel® C612 chipset
- 3. Up to 2TB† ECC 3DS LRDIMM , up to DDR4- 2400†MHz ; 16x DIMM slots
- 4. Riser card support:
Left side - 1 PCI-E 3.0 x32
Right side - 1 PCI-E 3.0 x16
- 5. Intel® X540 Dual port 10GBase-T
- 6. 10 SATA3 (6Gbps); RAID 0, 1, 5, 10
- 7. Integrated IPMI 2.0 and KVM with Dedicated LAN
- 8. 6 USB 3.0 (4 rear, 2 via header)

Links & Resources

- [Tested Memory List](#)
- [Tested HDD / SSD List](#)
- [Tested AOC List](#)
- [Motherboard Manual](#)
- [Quick Reference Guide](#)
- [Update Your BIOS](#)
- [BMC Firmware](#)
- [Download the Latest Drivers and Utilities](#)
- [Download Driver CD](#)
- [Heat Sink Compatibility](#)
- [OS Compatibility](#)
- [DP Motherboard Selection Assistant](#)
- [Optimization](#)

Specifications ^

Product SKUs **Discontinued SKU (EOL). Please contact sales-rep for replacement SKUs.**

MBD-X10DRW-iT X10DRW-iT

Physical Stats

Form Factor Proprietary WIO
Dimensions 12.3" x 13" (31.24cm x 33.02cm)

Processor/Cache

CPU Intel® Xeon® processor E5-2600 v3, Intel® Xeon® processor E5-2600 v4.
Dual Socket R3 (LGA 2011) supported, CPU TDP support Up to 145W, 1 QPI up to 9.6GT/s
Cores / Cache Up to 22 cores † / Up to 55MB† cache
Note † BIOS version 2.0 or above is required
Note ** Motherboard supports this maximum TDP. Please verify your system can thermally support.

System Memory

Memory Capacity 1TB Registered ECC RDIMM, DDR4-2400MHz; Up to 2TB 3DS ECC LRDIMM, in 4 DIMM slots
Memory Type 2400†/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
DIMM Sizes RDIMM: 4GB, 8GB, 16GB, 32GB, 64GB
LRDIMM: 32GB, 64GB
3DS LRDIMM: 128GB
Memory Voltage 1.2V
Error Detection Corrects single-bit errors

On-Board Devices

Chipset Intel® C612
SATA Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
AHCI SATA SATA3 (6Gbps); RAID 0, 1, 5, 10
SCU SATA SATA3 (6Gbps); RAID 0, 1, 5, 10
IPMI Support for Intelligent Platform Management Interface v.2.0
IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
ASPEED AST2400 BMC
Network Controllers Dual LAN with Intel® X540 10GBase-T Ethernet Controller
Single LAN with Virtual Machine Device Queues reduce I/O overhead
Single LAN with Supports 10Base-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Single LAN with 1 Realtek RTL8211E PHY (dedicated IPMI)
Graphics Aspeed AST2400 BMC

Input / Output

SATA 10 SATA3 (6Gbps) port
LAN 2 RJ45 10GBase-T ports
1 RJ45 Dedicated IPMI LAN port
USB 6 USB 3.0 ports (4 rear + 2 headers)
Video Output 1 VGA port
Serial Port / Header 1 COM Port (1 header)
TPM 1 TPM Header

Expansion Slots

PCI-E 1x PCI-E 3.0 x16 for Add-on Module (AOM)
Riser card support:
Left side - 1 PCI-E 3.0 x32
Right side - 1 PCI-E 3.0 x16

System BIOS

BIOS Type 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features Plug and Play (PnP)
PCI 2.3
ACPI 1.0 / 2.0 / 3.0 / 4.0
USB Keyboard support
SMBIOS 2.7.1
UEFI 2.3.1

Contact Us

Management

Software Intel® Node Manager, IPMI2.0, NMI, SuperDoctor® 5, Watchdog
System Management Software IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support 1.5 / 2.0
Power Configurations ACPI Power Management
Power-on mode for AC power recovery

PC Health Monitoring

Voltage +12V, +3.3V, +5V, +5V standby, 3.3V standby, 6 Phase-switching voltage regulator, Memory Voltages, Monitors for CPU Cores, VBAT
FAN 6x 4-pin fan headers (up to 6 fans), 6 fans with tachometer status monitoring, Pulse Width Modulated (PWM) fan connectors, Status monitoring for speed control
Temperature Monitoring for CPU and chassis environment, CPU thermal trip support, Thermal Control for 6 Fan Connectors, Thermal Monitor 2 (TM2) support, PECI
LED CPU / System Overheat LED, Suspend static indicator LED, UID/Remote UID
Other Features Chassis intrusion detection, Chassis intrusion header, RoHS, SDDC

Operating Environment

Operating Temperature Range 10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range -40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range 8% - 90% (non-condensing)
Non-Operating Relative Humidity Range 5% - 95% (non-condensing)

Parts List ^

Parts List (Bulk Package)

Name	Part Number	Qty	Description
Motherboard	MBD-X10DRW-iT	1	X10DRW-iT Motherboard
I/O Cables	CBL-0044L	2	SATA CABLE 61CM FLAT S-S PBF

Parts List (Retail Package)

Name	Part Number	Qty	Description
X10DRW-iT	MBD-X10DRW-iT	1	X10DRW-iT Motherboard
I/O Cables	CBL-0044L	6	SATA CABLE 61CM FLAT S-S PBF
Quick Reference Guide	MNL-1557-QRG	1	Quick Reference Guide

Optional Parts List

Name	Part Number	Qty	Description
Heat Sink (optional, not included)		--	CPU Heat Sink reference
TPM security module (optional, not included)	AOM-TPM-9655V AOM-TPM-9655H	--	TPM 1.2 module with Infineon 9655, RoHS/REACH, PBF; Vertical or Horizontal depends on the server
TPM security module (optional, not included)	AOM-TPM-9655V-S AOM-TPM-9655H-S	--	TPM 1.2 module with Infineon 9655, RoHS/REACH, PBF; Vertical or Horizontal depends on the server, provision for TXT
TPM security module (optional, not included)	AOM-TPM-9665V AOM-TPM-9665H	--	TPM 2.0 module with Infineon 9665, RoHS/REACH, PBF; Vertical or Horizontal depends on the server
TPM security module (optional, not included)	AOM-TPM-9665V-S AOM-TPM-9665H-S	--	TPM 2.0 module with Infineon 9665, RoHS/REACH, PBF; Vertical or Horizontal depends on the server, provision for TXT
SuperDOM			Supermicro SATA DOM Solutions [Details]
Add-on Module	AOM-S3108M-H8		

Chassis (Optimized for X10DRW-iT)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower

= Most optimized Chassis for SuperServer Configuration
Blue color = Compatible
Green color = Global SKU & Compatible
Red dot & green color = Optimized + Global SKU

Server (Optimized for X10DRW-iT)

Server Name
SYS-6018R-WTRT
SYS-1028R-WC1RT
SYS-1028R-WTRT
SYS-6028R-WTRT

Global SKU English ▼

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